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Tijssen

(10) **Patent No.: US 9,483,167 B2**
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(54) **USER INTERFACE FOR A TOUCH ENABLED DEVICE**

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(73) Assignee: **Adobe Systems Incorporated**, San Jose, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1128 days.

(21) Appl. No.: **12/893,669**

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(51) **Int. Cl.**

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G06F 3/0485	(2013.01)
G06F 3/0483	(2013.01)
G06F 17/21	(2006.01)

(52) **U.S. Cl.**

CPC ***G06F 3/0485*** (2013.01); *G06F 3/0483* (2013.01); *G06F 17/217* (2013.01)

(58) **Field of Classification Search**

CPC G06F 17/217
USPC 715/784–787, 863, 251
See application file for complete search history.

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Assistant Examiner — Phuong Nguyen
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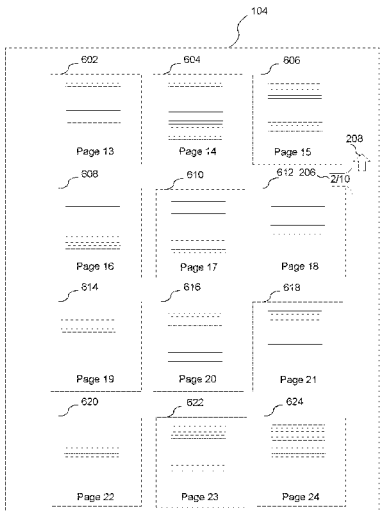
(57) **ABSTRACT**

A graphical user interface displays a first portion of a data file. Further, a switch indicator is displayed. In addition, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator is received at a processor operably connected to the graphical user interface. In addition, a second portion of the data file based on the first input is displayed at the graphical user interface. Further, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator is received at the processor. The range of predetermined second proximities is distinct from the range of first predetermined proximities. In addition, the graphical user interface displays a subset of the second portion of the data file based on the second input.

20 Claims, 14 Drawing Sheets



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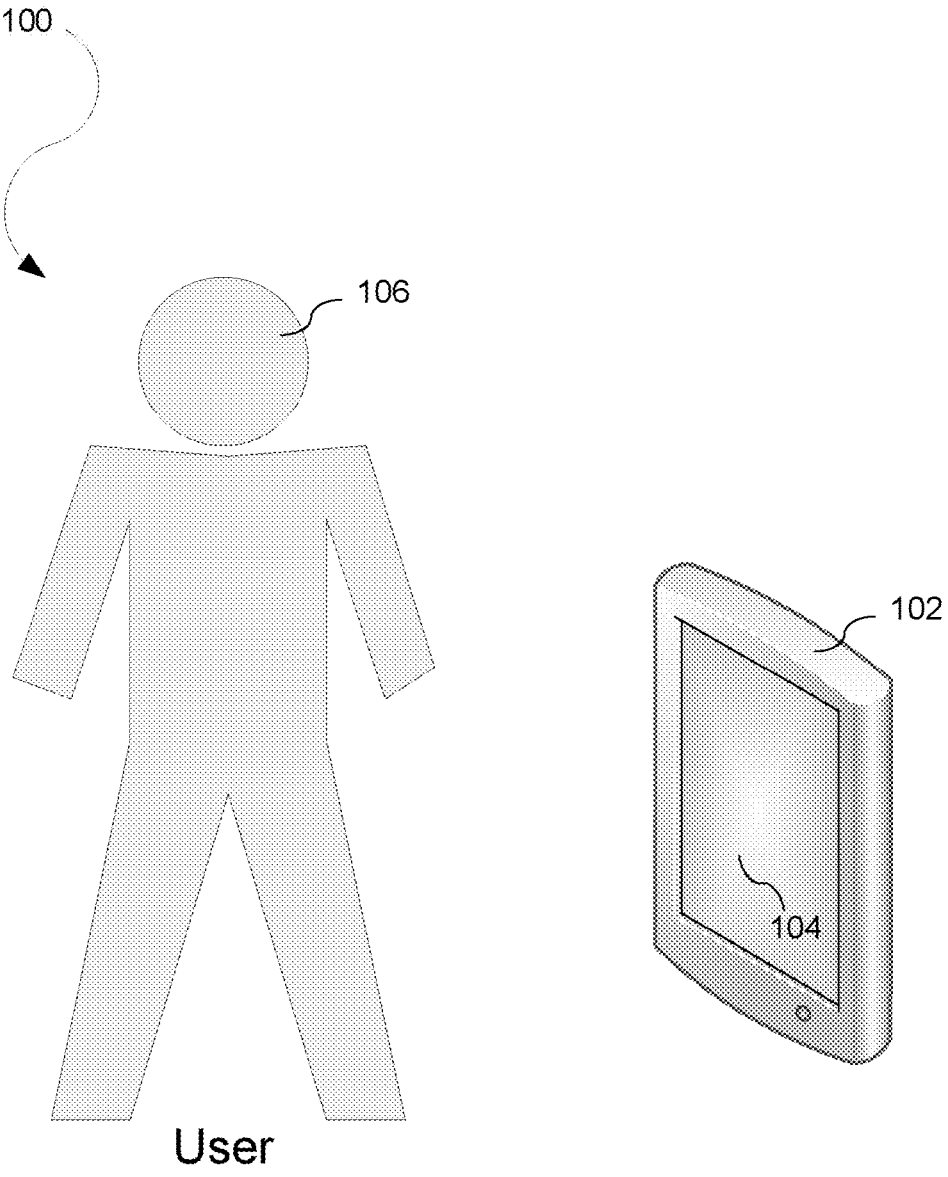

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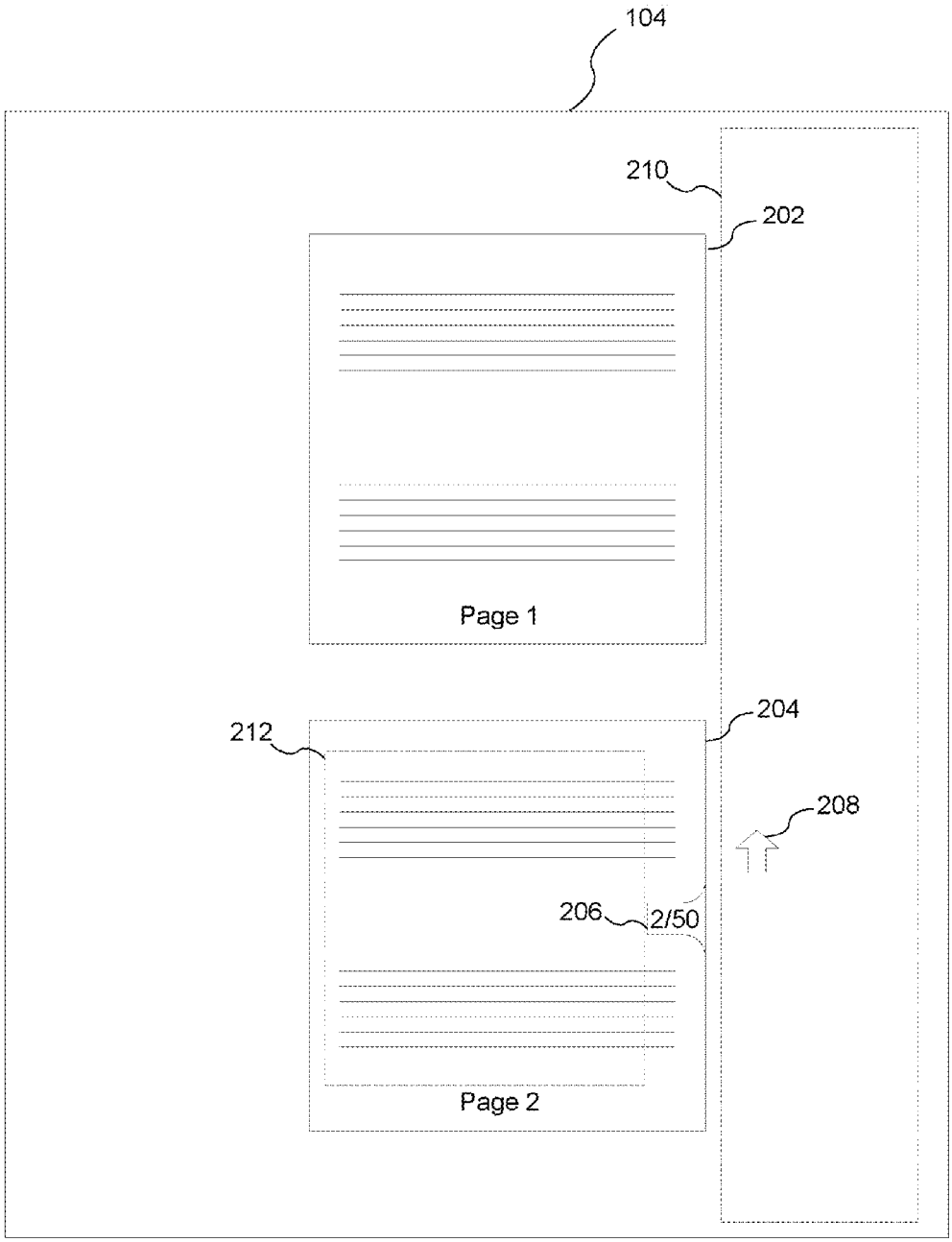

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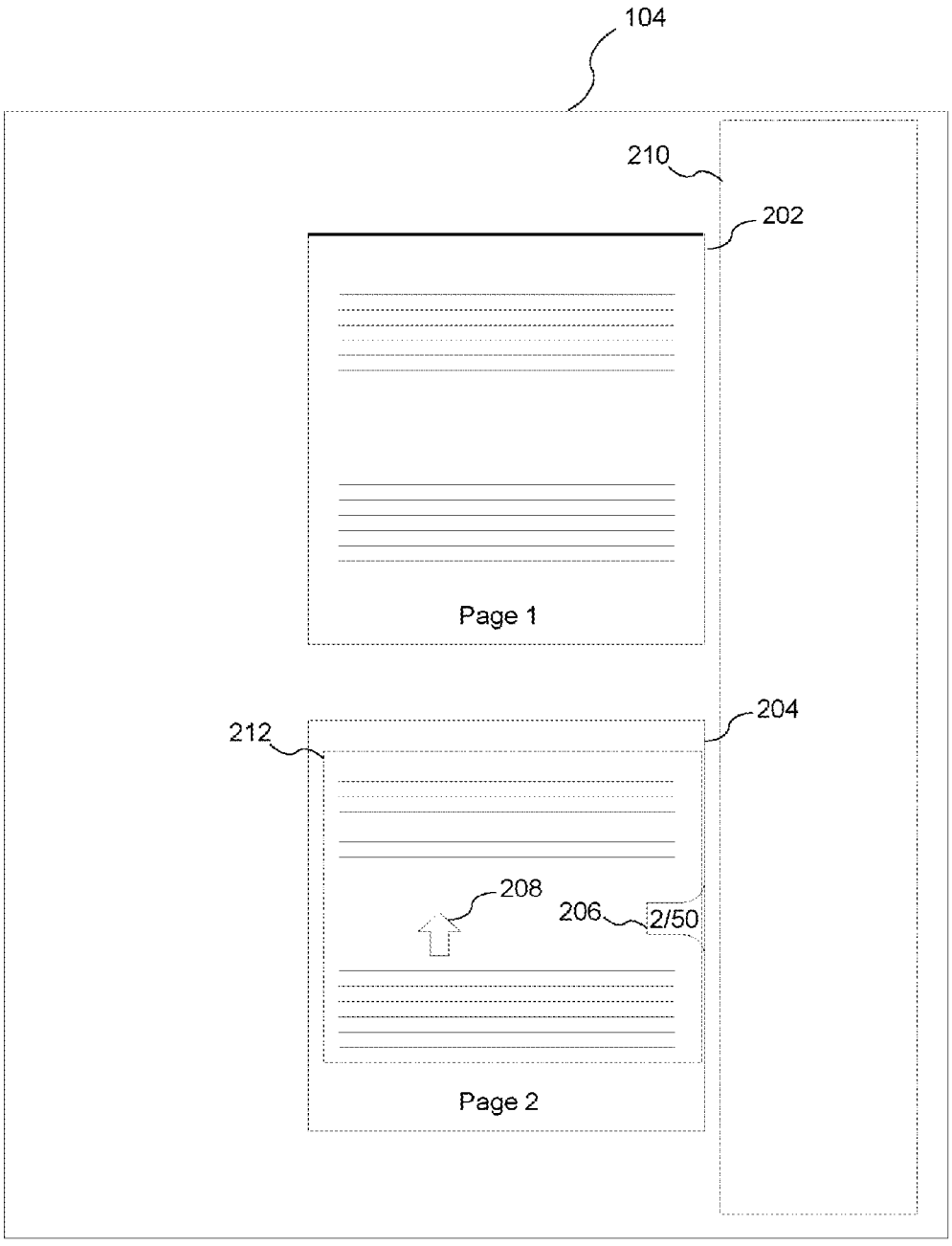

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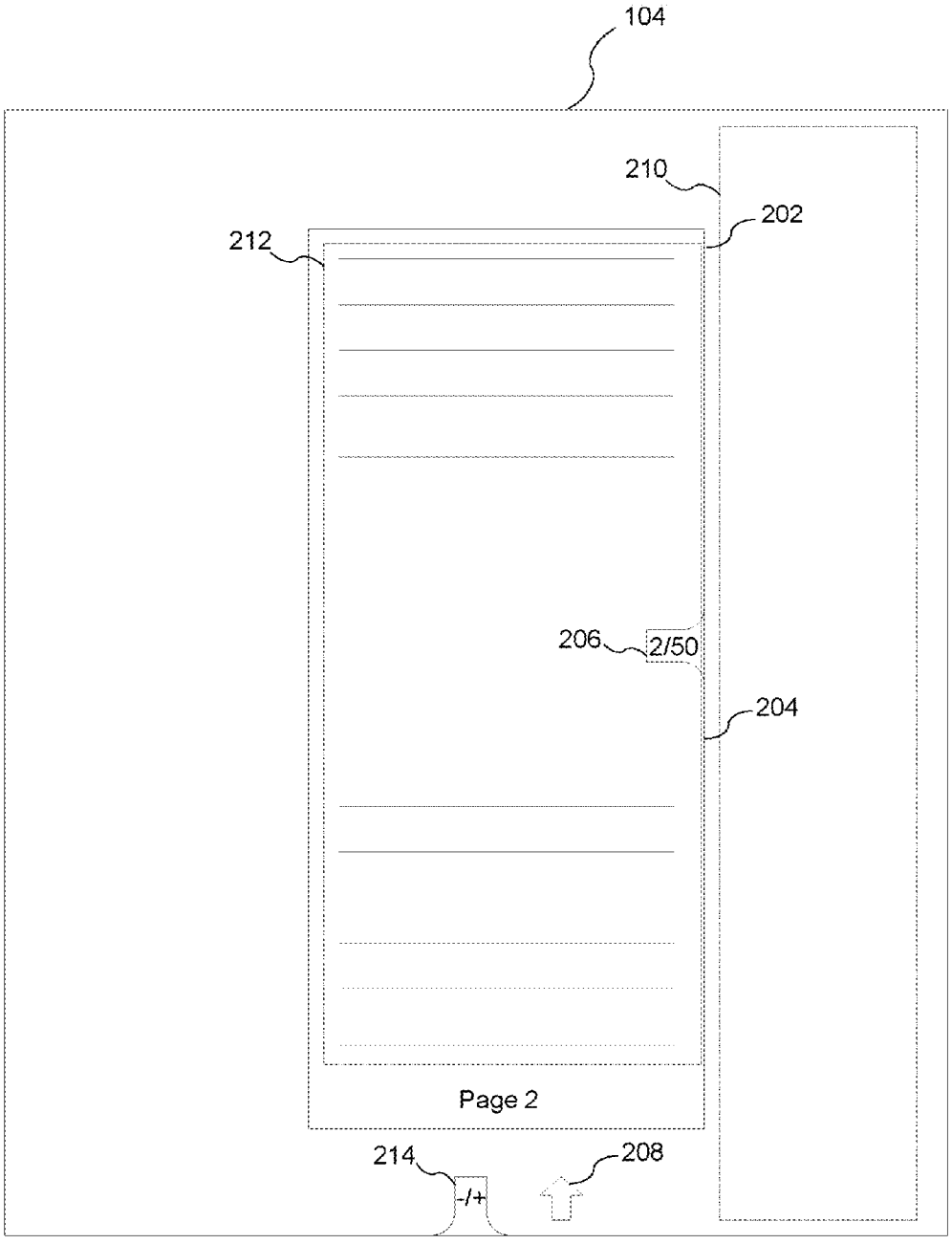


Figure 2C

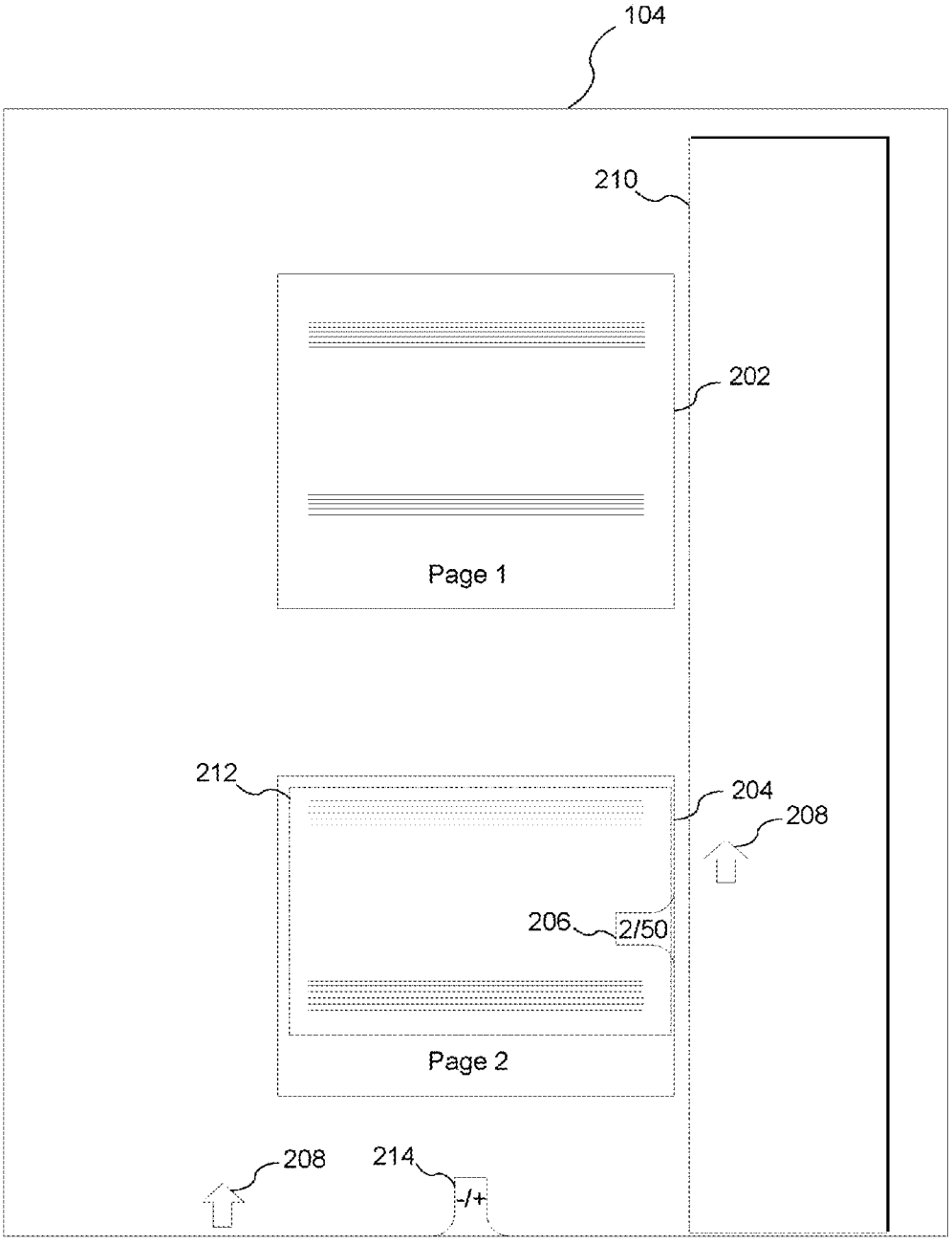
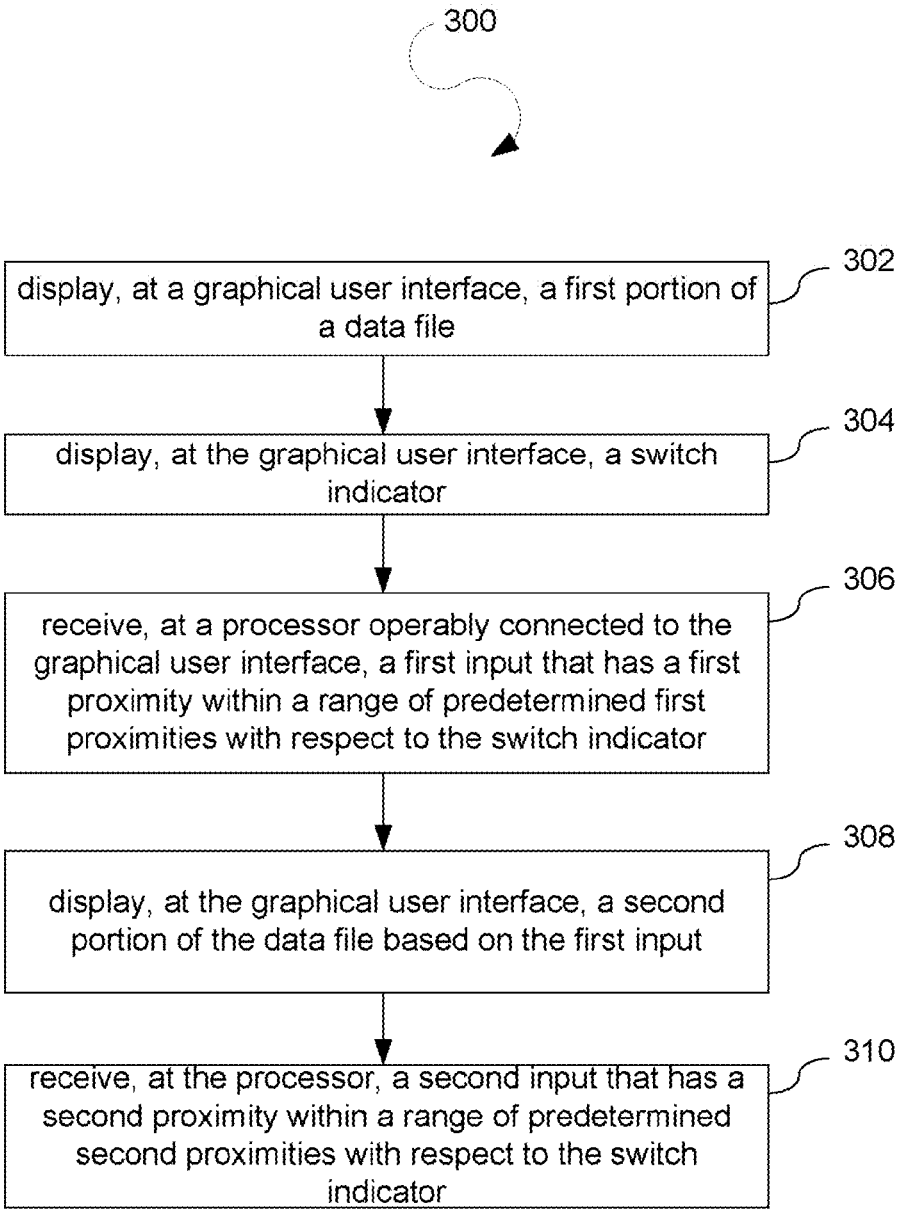


Figure 2D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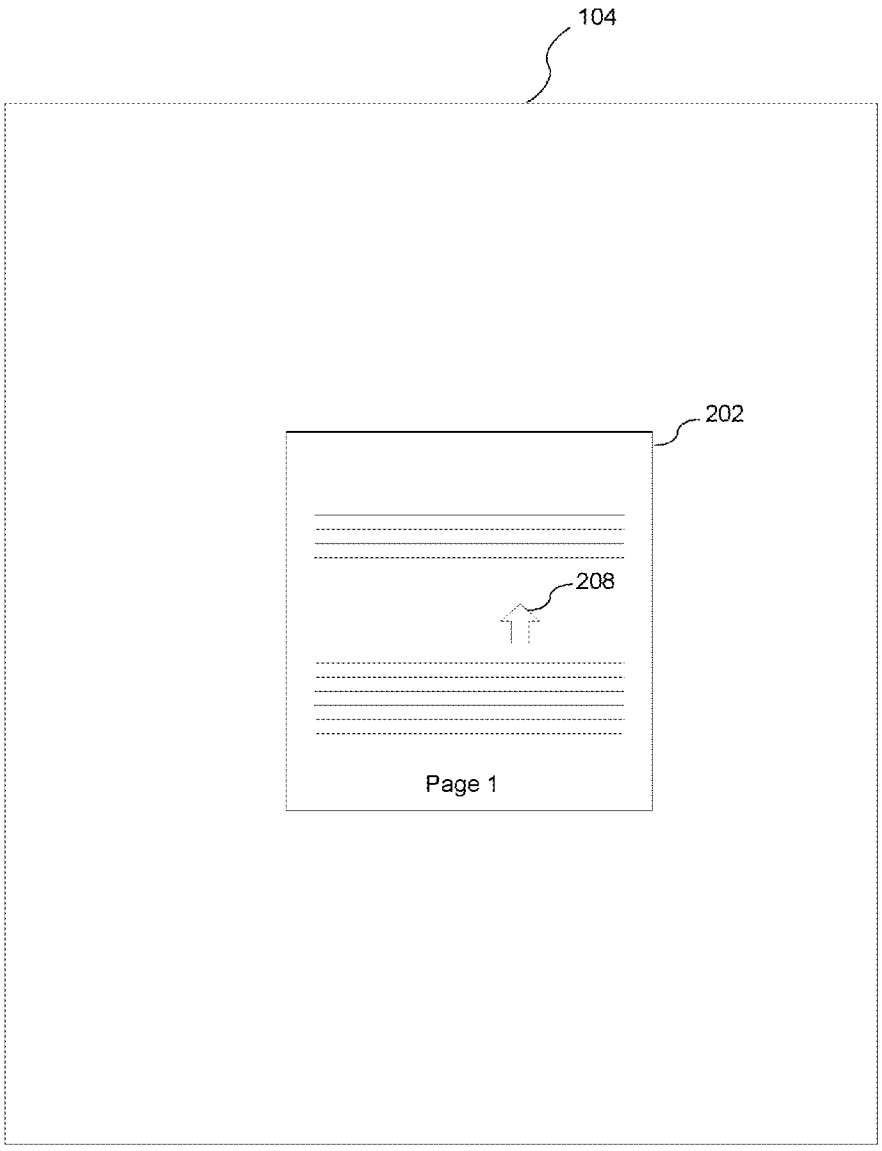
display, at a graphical user interface, a first portion of a data file
302
display, at the graphical user interface, a switch indicator
304
receive, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator
306
display, at the graphical user interface, a second portion of the data file based on the first input
308
receive, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator
310

Figure 3

Docket No. B1242



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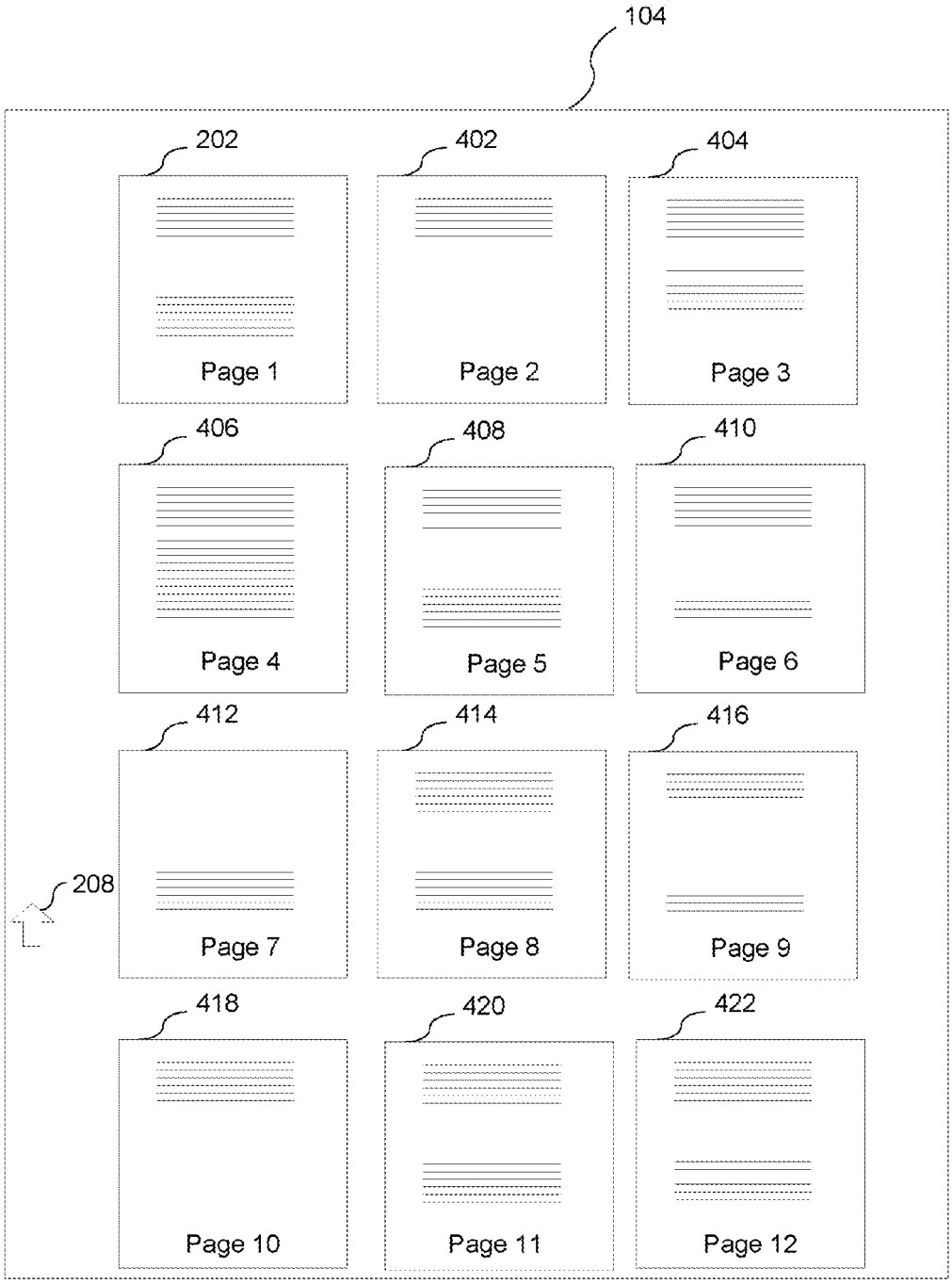
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Figure 4B

Docket No. B1242

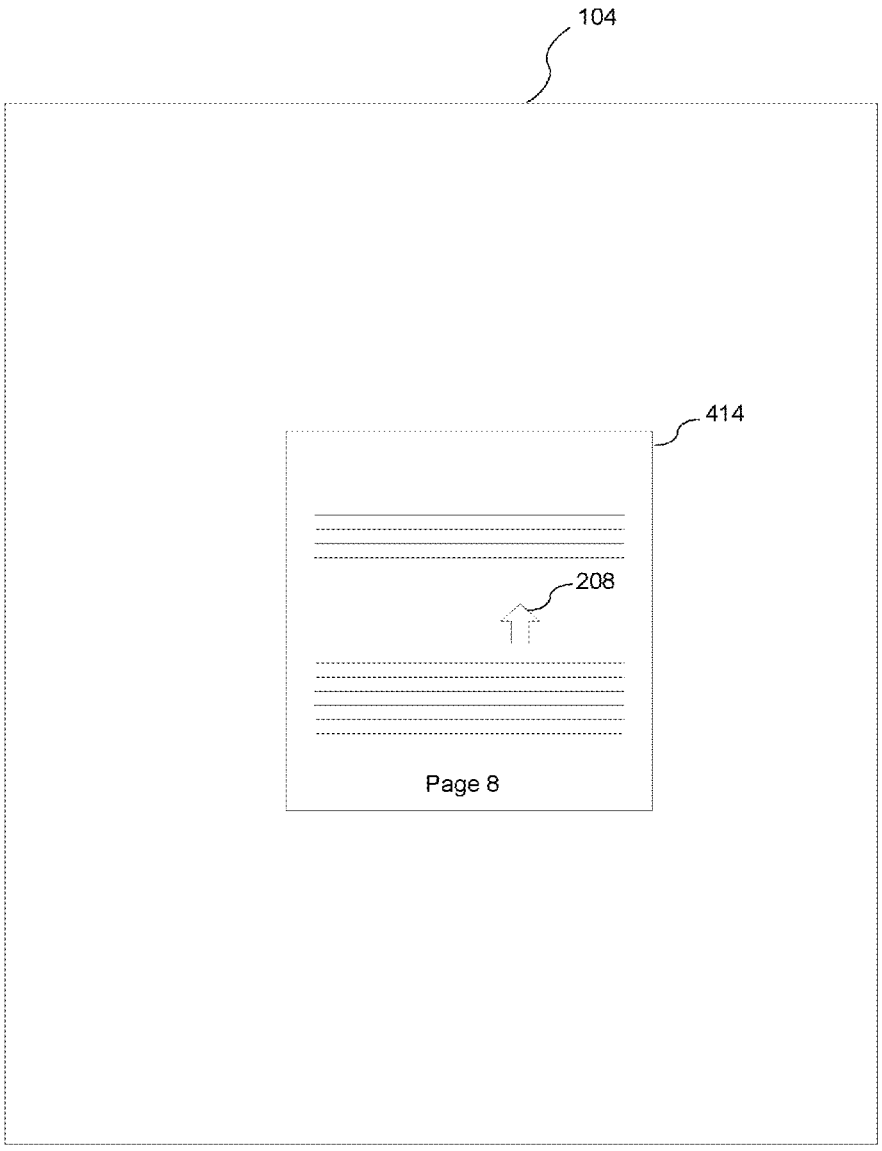

Figure 4C

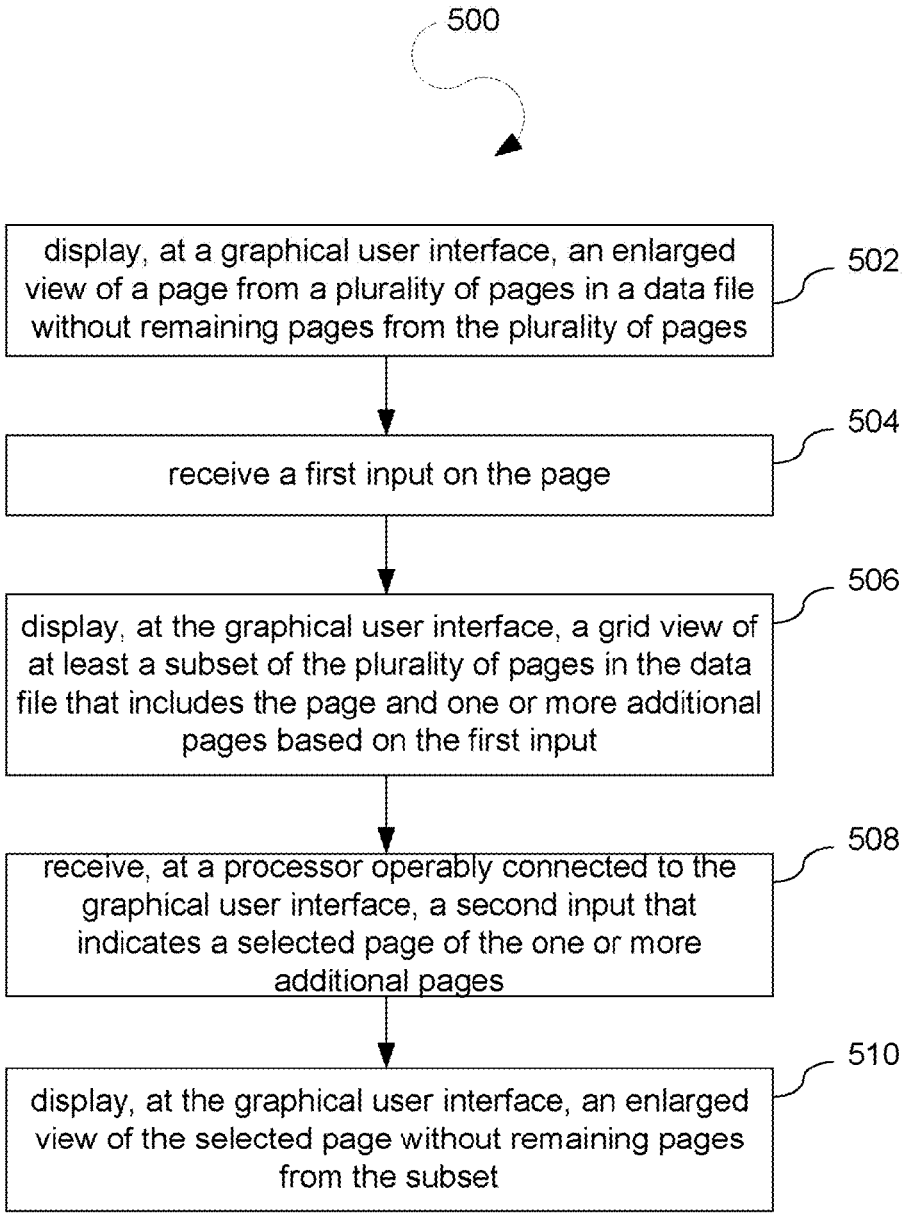
500
display, at a graphical user interface, an enlarged view of a page from a plurality of pages in a data file without remaining pages from the plurality of pages
502
receive a first input on the page
504
display, at the graphical user interface, a grid view of at least a subset of the plurality of pages in the data file that includes the page and one or more additional pages based on the first input
506
receive, at a processor operably connected to the graphical user interface, a second input that indicates a selected page of the one or more additional pages
508
display, at the graphical user interface, an enlarged view of the selected page without remaining pages from the subset
510

Figure 5

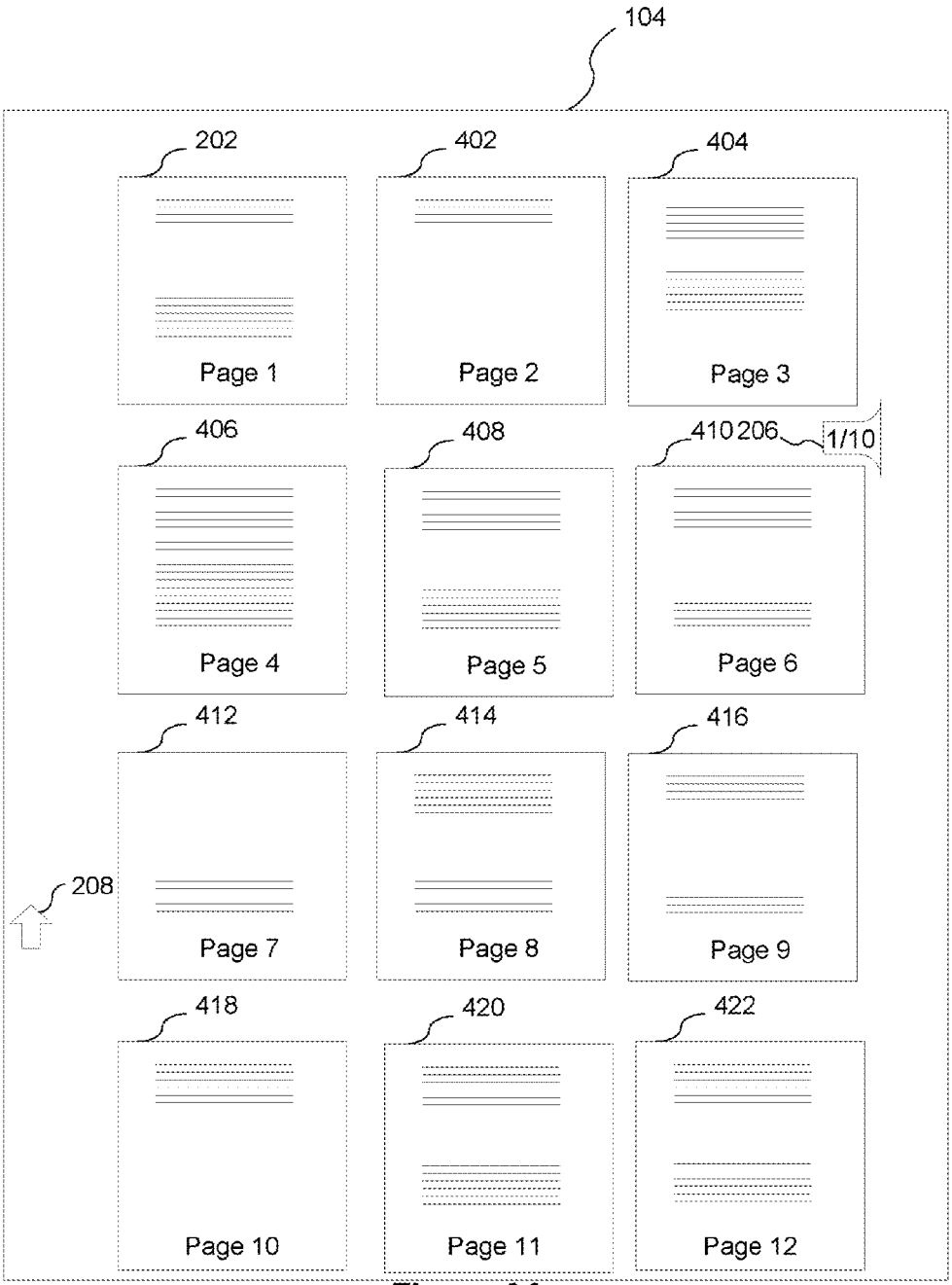
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Figure 6A

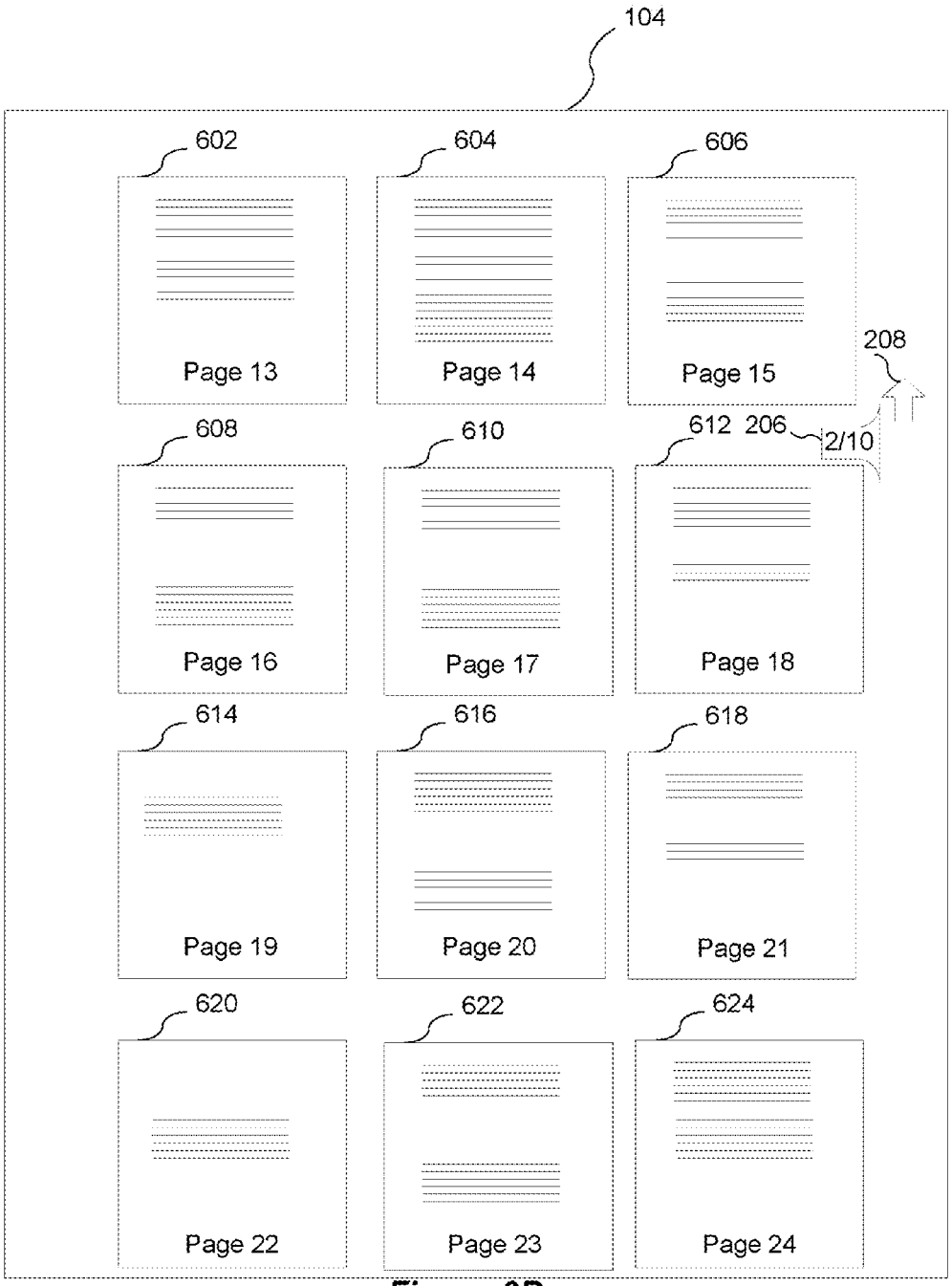
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Figure 6B

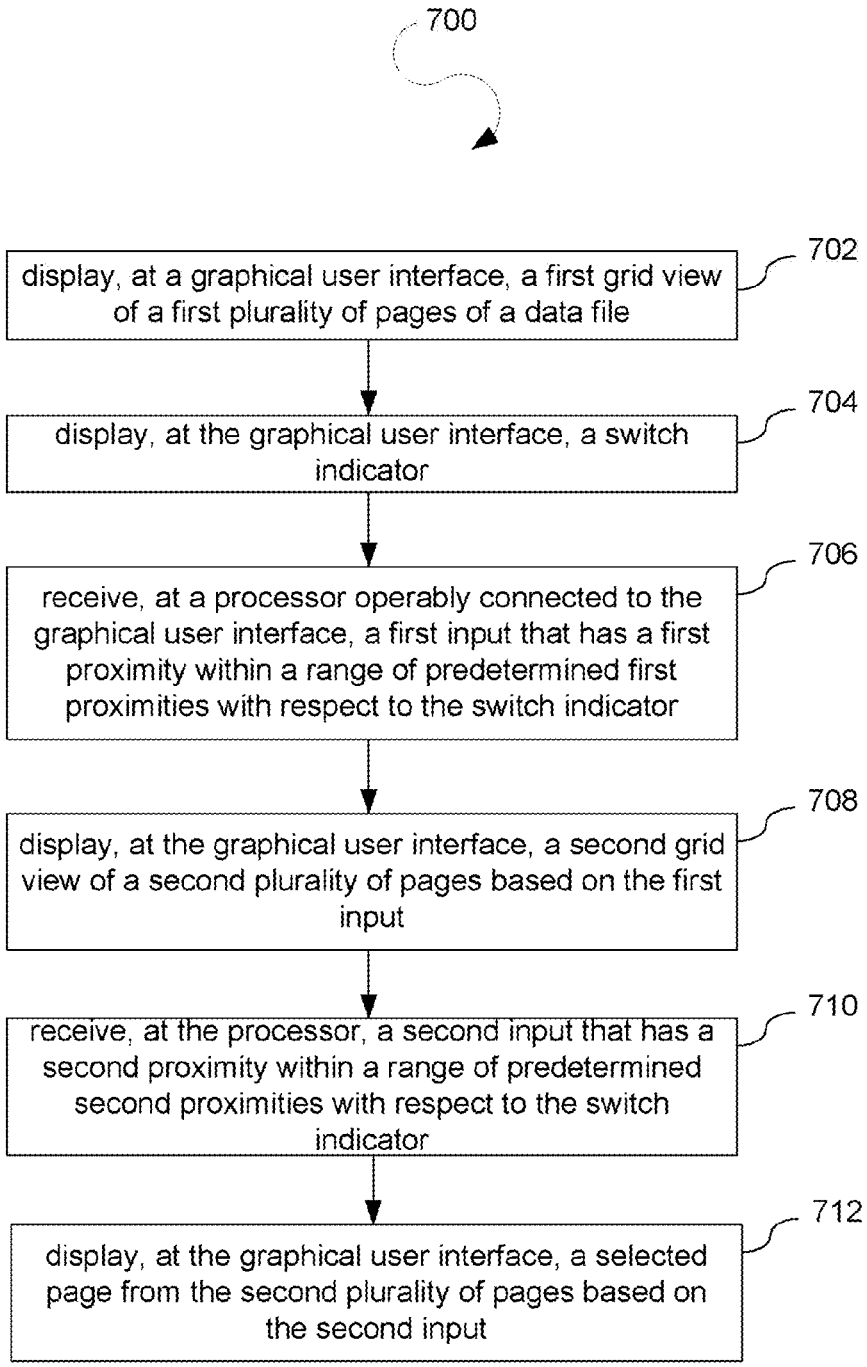
700
display, at a graphical user interface, a first grid view of a first plurality of pages of a data file
702
display, at the graphical user interface, a switch indicator
704
receive, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator
706
display, at the graphical user interface, a second grid view of a second plurality of pages based on the first input
708
receive, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator
710
display, at the graphical user interface, a selected page from the second plurality of pages based on the second input
712

Figure 7

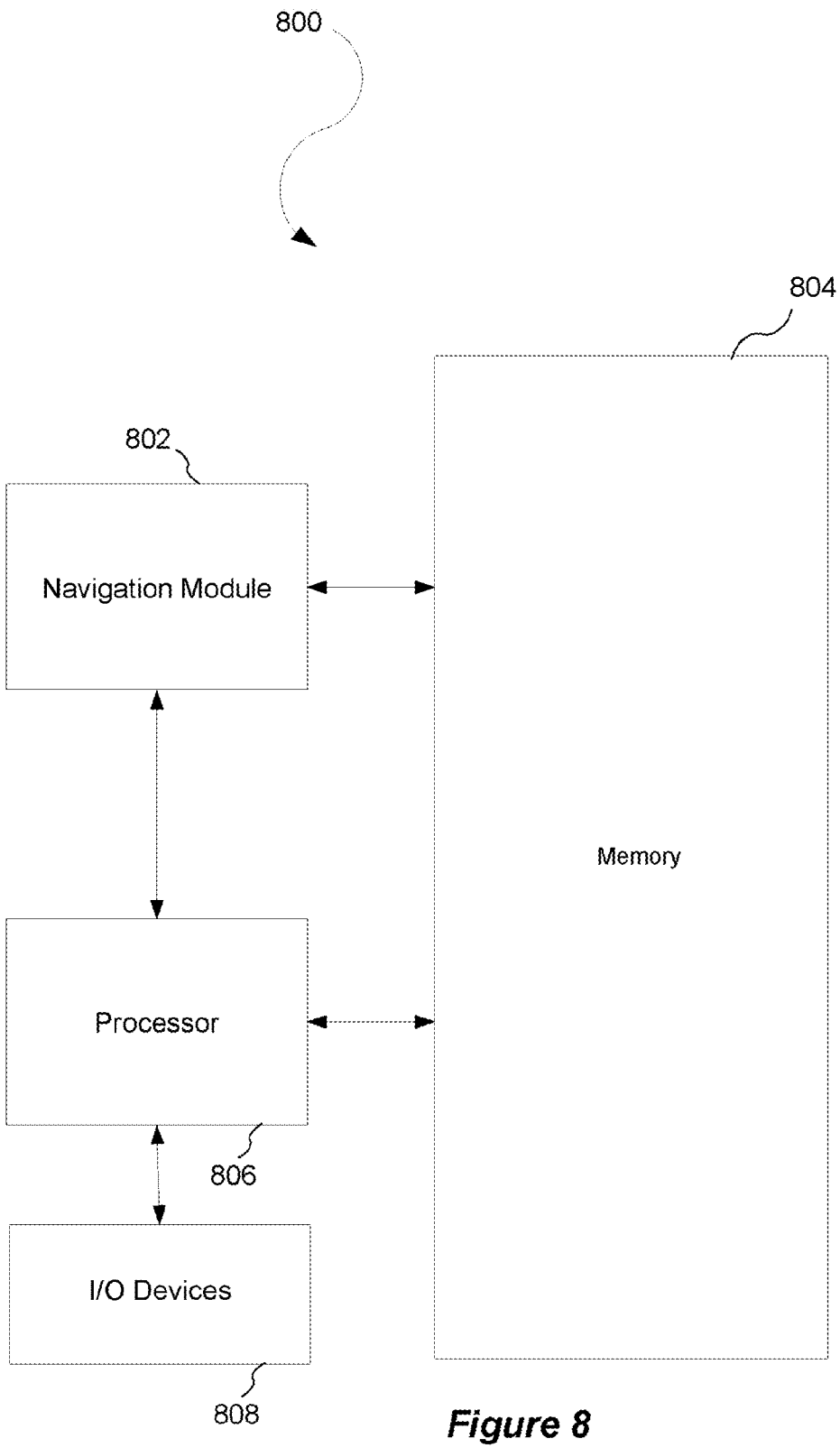
800
804
802
Navigation Module
Memory
Processor
806
I/O Devices
808

Figure 8

USER INTERFACE FOR A TOUCH ENABLED DEVICE

BACKGROUND

1. Field

This disclosure generally relates to user interfaces. More particularly, the disclosure relates to user interfaces for touch enabled devices.

2. General Background

User interfaces typically allow a user to interact with a computing device. A variety of approaches involve a user inputting data through the user interface via a user input device such as a keyboard, mouse, microphone, etc. Recent developments currently allow a user to optionally input data through a touch enabled device. The touch enabled device allows a user to touch the objects with one or more fingers or a mouse pointer to perform actions on the objects.

Current approaches do not allow a user to easily navigate through large quantities of data. As a result, users may have degradation in performance by switching from a standard device to a touch enabled device.

SUMMARY

In one aspect of the disclosure, a computer program product is provided. The computer program product includes a computer useable medium having a computer readable program. The computer readable program when executed on a computer causes the computer to display, at a graphical user interface, a first portion of a data file. Further, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, a switch indicator. In addition, the computer readable program when executed the computer causes the computer to receive, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator. The computer readable program when executed the computer also causes the computer to display, at the graphical user interface, a second portion of the data file based on the first input. Further, the computer readable program when executed the computer causes the computer to receive, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator. The range of predetermined second proximities is distinct from the range of first predetermined proximities. In addition, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, a subset of the second portion of the data file based on the second input.

In another aspect, a computer program product is provided. The computer program product includes a computer useable medium having a computer readable program. The computer readable program when executed on a computer causes the computer to display, at a graphical user interface, an enlarged view of a page from a plurality of pages in a data file without remaining pages from the plurality of pages. Further, the computer readable program when executed the computer causes the computer to receive a first input on the page. In addition, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, a grid view of at least a subset of the plurality of pages in the data file that includes the page and one or more additional pages based on the first input. The computer readable program when executed the computer causes the computer to receive, at a processor operably connected to the graphical user interface, a second input that indicates a selected page of the one or more additional pages. Further, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, an enlarged view of the selected page without remaining pages from the subset.

In yet another aspect, a computer program product is provided. The computer program product includes a computer useable medium having a computer readable program. The computer readable program when executed on a computer causes the computer to display, at a graphical user interface, a first grid view of a first plurality of pages of a data file. Further, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, a switch indicator. In addition, the computer causes the computer to receive, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator. The computer readable program when executed the computer causes the computer to display, at the graphical user interface, a second grid view of a second plurality of pages based on the first input. Further, the computer readable program when executed the computer causes the computer to receive, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator. The range of predetermined second proximities is distinct from the range of first predetermined proximities. In addition, the computer readable program when executed the computer causes the computer to display, at the graphical user interface, a selected page from the second plurality of pages based on the second input.

DRAWINGS

The above-mentioned features of the present disclosure will become more apparent with reference to the following description taken in conjunction with the accompanying drawings wherein like reference numerals denote like elements and in which:

FIG. **1** illustrates a computing environment that may be utilized for navigation of a graphical user interface ("GUI").

FIG. **2**A illustrates an example of a plurality of pages from a data file displayed on the GUI.

FIG. **2**B illustrates the example from FIG. **2**A with a fine level of navigation granularity.

FIG. **2**C illustrates an example of a zoom indicator that may be positioned at center of the bottom portion of the GUI.

FIG. **2**D illustrates another example of the zoom indicator.

FIG. **3** illustrates a process that may be utilized to provide navigation of the GUI.

FIG. **4**A illustrates another navigation approach that may be utilized with the GUI.

FIG. **4**B illustrates an example of a grid view in the GUI that results from the user selection in FIG. **4**A.

FIG. **4**C illustrates the example of FIG. **4**B where the user has selected a page.

FIG. **5** illustrates a process that is utilized to perform the grid view and selection operations illustrated in FIGS. **4**A-**4**C.

FIG. **6**A illustrates the grid view of pages illustrated in FIG. **4**B being navigated with a fine level of granularity.

FIG. **6**B illustrates an example in which the user views grid views without a fine level of granularity.

FIG. **7** illustrates a process that may be utilized to perform navigation with a grid view.

FIG. **8** illustrates a system configuration that may be utilized for navigation.

DETAILED DESCRIPTION

A user interface method, system, and computer program product are provided to expand the abilities of navigation of a touch enabled device for a user. A user is provided with a tool to navigate, browse, etc. through a data file quickly and efficiently. In one embodiment, the touch enabled device has a touch screen that allows a user to interact with the touch screen by touching the screen with his or her hands, a pen, or any other input device that is operably configured to provide input by touching and/or not touching the screen. In another embodiment, the touch enabled device has the ability to receive input from an input device such as a keyboard, mouse, or the like in addition to providing the ability to receive input through a touch screen. In yet another embodiment, a device that is not touch enabled may be utilized with the configurations provided herein.

FIG. **1** illustrates a computing environment **100** that may be utilized for navigation of a GUI **104**. The computing device **102** may be any device with a processor such as a computer tablet, personal computer, laptop, notebook, cell phone, smart phone, personal digital assistant, personal medial player, set top box, etc. The computing device **102** is illustrated as a tablet only for illustrative purposes.

FIG. **2**A illustrates an example of a plurality of pages from a data file displayed on the GUI **104**. The user may navigate through the different pages to find a page of interest. As an example, the user may be viewing a second page **204** and may wish to quickly browse through the other pages in the data file. In one embodiment, a switch indicator **206** is illustrated on the second page **204**. The user may position a pointer, finger, or any other position indicia **208** within a first range of proximities **210** to indicate that the user would like to quickly navigate through the plurality of pages. For example, the user may touch the GUI **104** with his or her finger to the right of the switch indicator **206**. The user will then be able to quickly navigate through other pages. For example, the user will be able to quickly scroll to a first page **202**. For illustrative purposes, the position indicia **208** is indicated as a pointer. However, other types of symbols or no symbol at all may be utilized for any of the configurations provided herein. For example, the user may simply utilize his or her finger to touch the screen of the GUI **104** without any type of symbol indicating position. In addition, the pages may fill the full screen. Further, for illustrative purposes, the first range of proximities is indicated as a rectangular region, but the first range of proximities may include various positions, shapes, dimensions, etc. Alternatively, the user may position the position indicia **208** in a second range of proximities **212** as illustrated in FIG. **2**B.

In one embodiment, the scrolling motion may be a finger swipe. In another embodiment, the scrolling motion is based on a scroll wheel.

For illustrative purposes, lines are illustrated in FIG. **2**A and other figures to represent text, shapes, symbols, etc. The configurations provided herein are not limited to any particular kind of data.

The first range of proximities may be predetermined ranges of distance in one or more directions with respect to the switch indicator. In one embodiment, the proximities may be divided horizontally or vertically in GUI **104**. For example, the position indicia **208** being located anywhere within the GUI **104** to the right of the switch indicator **206** may indicate that the plurality of pages should be scrolled through without a fine level of granularity.

In one embodiment, the switch indicator **206** may display the current page that is being viewed by the user. Alternatively, the switch indicator **206** does not display the current page that is being viewed by the user.

FIG. **2**B illustrates the example from FIG. **2**A with a fine level of navigation granularity. The position indicia **208** being located to the left of the switch indicator **206** may indicate that a fine level of navigation granularity should be utilized. The fine level of navigation granularity allows a user to scroll within a particular page to find sections, lines, words, etc. of interest as opposed to navigating without a fine level of granularity to quickly scroll through pages or large sections of data. The user may position the position indicia **208** within the second range of proximities **212** to indicate that the fine level of granularity should be utilized. For example, the user may position the position indicia **208** anywhere in the GUI **104** to the left of the switch indicator **206** to indicate that a fine level of granularity should be utilized.

In one embodiment, the first range of proximities is distinct from the second range of proximities. As a result, the user has a clear indication of where to place the position indicia **208** to scroll with a fine level of granularity or without a fine level of granularity.

In one embodiment, the fine level of granularity is restricted to the particular page, section, or portion of the data file being viewed. In the illustrated example in FIG. **2**B, the user would be restricted to viewing the contents of the second page **208** and would not be allowed to move to another page unless the user moves the position indicia **208** to the right of the switch indicator **206**. In an alternative embodiment, the user is not restricted to the particular page, section, or portion of the data file being viewed with a fine level of granularity. In the illustrated example in FIG. **2**B, the user would be allowed to move from the second page **204** to the first page **202** with a fine level of granularity. The user would move more slowly from the second page **204** to the first page **202** with the fine level of granularity than without the fine level of granularity.

The user may utilize the switch indicator **206** to seamlessly move between different levels of granularity. For example, the user may move the position indicia **208** to the right of the switch indicator **206** to quickly get to a page of interest. The user may then move the position indicia **208** to the left of the switch indicator **206** to have a detailed look at the page of interest. The user may then position the position indicia **208** to the right of the switch indicator **206** to then find another page of interest. Accordingly, the user may navigate the GUI **104** in a fast and efficient manner.

In one embodiment, a zoom indicator may be utilized in addition to the switch indicator **206**. FIG. **2**C illustrates an example of a zoom indicator **214** that may be positioned at center of the bottom portion of the GUI **104**. The user may move the position indicia **208** to the right of the zoom indicator **214** to increase the size of the one or more portions of the data file that are displayed. FIG. **2**D illustrates another example of the zoom indicator **214**. The user may move the position indicia **208** to the left of the zoom indicator **214** to decrease the size of the one or more portions of the data file that are displayed. Various other positions and directions may be utilized as this example is not intended to be limiting. In addition, the switch indicator **206** may move with the position of the position indicia **208**.

FIG. **3** illustrates a process **300** that may be utilized to provide navigation of the GUI **104**. At a process block **302**, the process **300** displays, at a graphical user interface, a first portion of a data file. Further, at a process block **304**, the process **300** displays, at the graphical user interface, a switch indicator. In addition, at a process block **306**, the process **300** receives, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator. At a process block **308**, the process **300** displays, at the graphical user interface, a second portion of the data file based on the first input. Further, at a process block **310**, the process **300** receives, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator, the range of predetermined second proximities being distinct from the range of first predetermined proximities. In addition, at a process block **312**, the process **300** displays, at the graphical user interface, a subset of the second portion of the data file based on the second input.

FIG. **4**A illustrates another navigation approach that may be utilized with the GUI **104**. As an example, the user may be viewing the first page **202**. The user may select the first page **202** with the position indicia **208**.

FIG. **4**B illustrates an example of a grid view in the GUI **104** that results from the user selection in FIG. **4**A. The grid view has a size range capability. For example, the illustration in FIG. **4**B has three columns, but the number of columns may range from two columns to any number that retains legibility. The amount of granularity may also be based on the number of pages. A smaller amount of pages would result in a smaller amount of page thumbnail columns. The first page **202** is decreased in size so that a grid view of a plurality of pages may be displayed in an animated fashion with a motion transition. The grid view includes the first page **202**, a second page **402**, a third page **404**, a fourth page **406**, a fifth page **408**, a sixth page **410**, a seventh page **412**, an eighth page **414**, a ninth page **416**, a tenth page **418**, an eleventh page **420**, and a twelfth page **422**. The user may now position the position indicia **208** over a page to expand the view of a different page. In one embodiment, the user releases the position indicia **208** over the page of interest to make a selection. For example, the user may release a mouse button, remove a finger, etc.

FIG. **4**C illustrates the example of FIG. **4**B where the user has selected a page. As an example, the user has selected the eighth page **414**. Accordingly, the eighth page **414** is displayed without the grid view optionally utilizing motion for the transition between FIG. **4**B and FIG. **4**C.

FIG. **5** illustrates a process **500** that is utilized to perform the grid view and selection operations illustrated in FIGS. **4**A-**4**C. At a process block **502**, the process **500** displays, at the GUI **104**, an enlarged view of a page from a plurality of pages in a data file without remaining pages from the plurality of pages. Further, at a process block **504**, the process **500** receives a first input on the page. In addition, at a process block **506**, the process **500** displays, at the GUI **104**, a grid view of at least a subset of the plurality of pages in the data file that includes the page and one or more additional pages based on the first input. At a process block **508**, the process **500** receives, at a processor operably connected to the graphical user interface, a second input that indicates a selected page of the one or more additional pages. Further, at a process block **510**, the process **500** displays, at the GUI **104**, an enlarged view of the selected page without remaining pages from the subset.

In one embodiment, the switch indicator **206** illustrated in FIGS. **2**A and **2**B may be utilized with the grid view and selection operations illustrated in FIGS. **4**A-**4**C. FIG. **6**A illustrates the grid view of pages illustrated in FIG. **4**B being navigated with a fine level of granularity. The switch indicator **206** allows the user to switch between a fine level of granularity to select specific pages within a grid view or a level without fine granularity to quickly move through different grid views. As an example, the switch indicator illustrated in FIG. **6**A indicates that the user is viewing the first grid view out of ten grid views. As the position indicia **208** is to the left of the switch indicator **206**, the user is viewing the different pages with a fine level of granularity. However, the user moves the position indicia **208** to the right of the switch indicator **206**, the user views different grid views without a fine level of granularity.

FIG. **6**B illustrates an example in which the user views grid views without a fine level of granularity. The user has moved the position indicia **208** to the right of the switch indicator **206** in FIG. **6**A. As a result, the user views a second grid view that includes a thirteenth page **602**, a fourteenth page **604**, a fifteenth page **606**, a sixteenth page **608**, a seventeenth page **610**, an eighteenth page **612**, a nineteenth page **614**, a twentieth page **616**, a twenty first page **618**, a twenty second page **620**, a twenty third page **622**, and a twenty fourth page **624**. The user can efficiently move between different grid views by positioning the position indicia **208** within a range of proximities with respect to the switch indicator **206** and can look specifically within the grid view by positioning the position indicia **208** within another range of proximities with respect to the switch indicator **206**.

FIG. **7** illustrates a process **700** that may be utilized to perform navigation with a grid view. At a process block **702**, the process **700** displays, at the GUI **104**, a first grid view of a first plurality of pages of a data file. Further, at a process block **704**, the process **700** displays, at the GUI **104**, the switch indicator **206**. In addition, at a process block **706**, the process **700** receives, at a processor operably connected to the GUI **104**, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator. Further, at a process block **708**, the process **700** displays, at the GUI **104**, a second grid view of a second plurality of pages based on the first input. Further, at a process block **710**, the process receives, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator. The range of predetermined second proximities is distinct from the range of first predetermined proximities. In addition, at a process block **712**, the process **700** displays, at the GUI **104**, a selected page from the second plurality of pages based on the second proximity.

In yet another embodiment, the user may provide a single tap to move to the previous page or to the next page. The single tap may be inputted in the top half of the GUI **104** or the bottom half of the GUI **104**. For example, the user may input a single tap in the top half of the GUI **104** to move to the next page or a single tap in the bottom half of the GUI **104** to move to the previous page.

FIG. **8** illustrates a system configuration **800** that may be utilized for navigation. In one embodiment, a navigation module **802** interacts with a memory **804**. In one embodiment, the system configuration **800** is suitable for storing and/or executing program code and is implemented using a general purpose computer or any other hardware equivalents. The processor **806** is coupled, either directly or indirectly, to the memory **804** through a system bus. The

memory **804** can include local memory employed during actual execution of the program code, bulk storage, and/or cache memories which provide temporary storage of at least some program code in order to reduce the number of times code must be retrieved from bulk storage during execution.

The Input/Output ("I/O") devices **808** can be coupled directly to the system configuration **800** or through intervening input/output controllers. Further, the I/O devices **808** may include a keyboard, a keypad, a mouse, a microphone for capturing speech commands, a pointing device, and other input devices that will be recognized by one of ordinary skill in the art. Further, the I/O devices **808** may include output devices such as a printer, display screen, or the like. Further, the I/O devices **808** may include a receiver, transmitter, speaker, display, image capture sensor, biometric sensor, etc. In addition, the I/O devices **808** may include storage devices such as a tape drive, floppy drive, hard disk drive, compact disk ("CD") drive, etc.

Network adapters may also be coupled to the system configuration **800** to enable the system configuration **800** to become coupled to other systems, remote printers, or storage devices through intervening private or public networks. Modems, cable modems, and Ethernet cards are just a few of the currently available types of network adapters.

The processes described herein may be implemented in a general, multi-purpose or single purpose processor. Such a processor will execute instructions, either at the assembly, compiled or machine-level, to perform the processes. Those instructions can be written by one of ordinary skill in the art following the description of the figures corresponding to the processes and stored or transmitted on a computer readable medium. The instructions may also be created using source code or any other known computer-aided design tool. A computer readable medium may be any medium capable of carrying those instructions and include a CD-ROM, DVD, magnetic or other optical disc, tape, silicon memory (e.g., removable, non-removable, volatile or non-volatile), packetized or non-packetized data through wireline or wireless transmissions locally or remotely through a network. A computer is herein intended to include any device that has a general, multi-purpose or single purpose processor as described above.

It should be understood that the processes and systems described herein can take the form of entirely hardware embodiments, entirely software embodiments, or embodiments containing both hardware and software elements. If software is utilized to implement the method or system, the software can include but is not limited to firmware, resident software, microcode, etc.

It is understood that the processes and systems described herein may also be applied in other types of processes and systems. Those skilled in the art will appreciate that the various adaptations and modifications of the embodiments of the processes and systems described herein may be configured without departing from the scope and spirit of the present processes, systems, and computer program products. Therefore, it is to be understood that, within the scope of the appended claims, the present processes, systems, and computer program products may be practiced other than as specifically described herein.

I claim:

1. A method comprising:

displaying, at a graphical user interface, a first grid view of a first plurality of pages of a data file;

displaying, at the graphical user interface, a switch indicator;

receiving, at a processor operably connected to the graphical user interface, a first input that has a first proximity within a range of predetermined first proximities with respect to the switch indicator, the first input comprising a touch of a finger;

displaying, at the graphical user interface, a second grid view of a second plurality of pages based on the first input;

receiving, at the processor, a second input that has a second proximity within a range of predetermined second proximities with respect to the switch indicator, the range of predetermined second proximities being distinct from the range of first predetermined proximities, the second input comprising a release of the first input;

removing the second grid view after the processor receives the second input; and

displaying, at the graphical user interface, a selected page from the second plurality of pages based on the second input.

2. The method of claim **1**, further comprising removing the first grid view after the processor receives the first input.

3. The method of claim **1**, further comprising removing the second grid view after the processor receives the second input.

4. The method of claim **1**, wherein the first plurality of pages is distinct from the second plurality of pages.

5. The method of claim **1**, wherein the first input further comprises a scrolling motion.

6. The method of claim **5**, wherein the second input further comprises termination of the scrolling motion.

7. A computing system comprising:

one or more processors; and

memory having instructions stored thereon that, responsive to execution by the one or more processors, causes the one or more processors to perform operations comprising:

displaying, at a graphical user interface, a page from a plurality of pages in a data file without remaining pages from the plurality of pages in the data file;

receiving a selection of the page;

responsive to receiving the selection of the page, displaying, at the graphical user interface, a first grid view of at least a subset of the plurality of pages in the data file that includes the page and one or more additional pages;

displaying, at the graphical user interface, a switch indicator;

receiving a first input at the graphical user interface, the first input controlling a position of a position indicia displayed at the graphical user interface, the first input comprising:

a click of a mouse button; and

a scrolling motion;

responsive to receiving the first input, navigating to a display of a second grid view of the plurality of pages, the navigation performed:

concurrently with receiving the first input;

at a coarse granularity responsive to the position indicia being within a range of predetermined first proximities with respect to the switch indicator during the scrolling motion; and

at a fine granularity responsive to the position indicia being within a range of predetermined second proximities with respect to the switch indicator during the scrolling motion;

receiving a second input at the graphical user interface, the second input comprising a release of the first input when the position indicia is positioned over a selected page of the plurality of pages in the second grid view; and

responsive to receiving the second input, displaying an enlarged view of the selected page.

8. The computing system of claim **7**, further comprising displaying a zoom indicator.

9. The computing system of claim **8**, further comprising enlarging a display of the second grid view responsive to the position indicia being within a range of predetermined first proximities with respect to the zoom indicator during the scrolling motion.

10. The computing system of claim **8**, further comprising miniaturizing a display of the second grid view responsive to the position indicia being within a range of predetermined second proximities with respect to the zoom indicator during the scrolling motion.

11. A method comprising:

displaying, at a graphical user interface, a first grid view of a plurality of pages of a data file;

displaying, at the graphical user interface, a switch indicator;

receiving a first input at the graphical user interface, the first input comprising a scrolling motion and controlling a position of a position indicia displayed at the graphical user interface;

responsive to receiving the first input, navigating to a display of a second grid view of the plurality of pages of the data file, the navigation performed:

at a coarse granularity responsive to the position indicia being within a range of predetermined first proximities with respect to the switch indicator during the scrolling motion of the first input; and

at a fine granularity responsive to the position indicia being within a range of predetermined proximities with respect to the switch indicator during the scrolling motion of the first input;

receiving a second input at the graphical user interface, the second input comprising a release of the first input and indicating a selected page from the plurality of pages in the second grid view; and

responsive to receiving the second input, removing the second grid view of the plurality of pages and displaying an enlarged view of the selected page.

12. The method of claim **11**, wherein the graphical user interface is operably connected to a touch enabled device.

13. The method of claim **11**, wherein the first input comprises a click of a mouse button.

14. The method of claim **13**, wherein the second input comprises a release of the mouse button.

15. The method of claim **11**, wherein the first input comprises a touch of a finger.

16. The method of claim **15**, wherein the second input comprises a release of the finger.

17. The method of claim **11**, further comprising displaying a zoom indicator.

18. The method of claim **17**, further comprising enlarging a display of the second grid view responsive to the position indicia being within a range of predetermined first proximities with respect to the zoom indicator during the scrolling motion.

19. The method of claim **17**, further comprising miniaturizing a display of the second grid view responsive to the position indicia being within a range of predetermined second proximities with respect to the zoom indicator during the scrolling motion.

20. The method of claim **11**, wherein the position indicia may seamlessly move between the range of predetermined first proximities and the range of predetermined second proximities with respect to the switch indicator.

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